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Data Sheet

August 13, 2026

EXFO

EXFO FOT-20A Handheld Power Meter FOT-22AX-SPC / 22AX

The EXFO FOT-20A Handheld Power Meter measures optical power and fiber-link loss in field environments with ± 0.05 dB resolution and NIST-traceable accuracy. Designed for technicians installing and maintaining LAN and fiber-optic networks, the FOT-22AX-SPC and FOT-22AX variants deliver direct loss measurements, transmitter power analysis, and component insertion-loss testing across five electronically calibrated wavelengths. Linear amplification technology ensures long-term calibration stability. Electrical offset nulling supports operation across extreme temperature conditions without drift. Compatibility & Integration Connector adapters support FC (PC/SPC/UPC/APC), SMA/905, SMA/906, Biconic, D4, NEC-D3, and Radial VFO interfaces. One adapter is included; additional EXFO adapters (FOA-12, FOA-14, FOA-16, FOA-22, FOA-24) are available separately. Supplied accessories include user guide



MODEL

Exfo FOT-20A/FOT-22AX-SPC/22AX

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOT-20A/FOT-22AX-SPC/22AX

LISTING

<https://aumictechlabs.com/products/fot-20a-fot-22ax-spc-22ax-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Detector Type: Germanium (Ge) or High-Power Germanium (GeX)

Calibrated Wavelengths: 780, 850, 1300, 1310, 1550 nm (five electronically calibrated)

Measurement Range: 21 dBm to -50 dBm

Resolution: ± 0.05 dB

Uncertainty: $\pm 5\%$ (referenced at -35 dBm)

Fiber Identification: 2 kHz signal detection

Key Features

- Direct loss measurement in dB
- Power measurements in dB, dBm, and W
- Transmitter power analysis (dBm and W)
- Linear amplification for calibration stability and NIST traceability
- Electrical offset nulling for extreme temperature environments
- Single 9 V alkaline battery with 14+ hours runtime
- Auto-off function for extended battery life
- Rugged construction meeting Telcordia drop-test requirements

Typical Applications

- Transmitter power verification
- Fiber-link loss testing
- Component insertion-loss characterization
- Fiber identification and troubleshooting
- LAN installation and field maintenance

Compatibility & Integration

Connector adapters support FC (PC/SPC/UPC/APC), SMA/905, SMA/906, Biconic, D4, NEC-D3, and Radiall VFO interfaces. One adapter is included; additional EXFO adapters (FOA-12, FOA-14, FOA-16, FOA-22, FOA-24) are available separately. Supplied accessories include user guide, carrying case, 9 V battery, AC adapter, protective holster, and shoulder strap.

Features & description

From manufacturer datasheet

Features

- FOT-20A family: power in dB, dBm, and W
- Five electronically calibrated wavelengths
- Ge (FOT-22A) or high-power GeX (FOT-22AX) detectors
- 2 kHz signal detection for fiber ID
- Electrical offset nulling for temperature extremes
- Shockproof holster doubles as accessory storage
- Auto-off function; custom wavelength calibration available
- NIST-traceable calibration

Applications

- Absolute optical power measurements (dBm and W)
- Fiber-link and component insertion-loss testing (dB)
- Fiber identification with 2 kHz signals
- LAN installation and maintenance
- High-power transmitter measurements with GeX (FOT-22AX)

FOT20AFOT22AXSPC22AX Characteristics / Specifications

PARAMETER	VALUE
Model	FOT-20A / FOT-22AX
Manufacturer	EXFO
Instrument Type	Handheld Optical Power Meter
Alias	FOT-22A; FOT-22AX; FOT-20A series
Detector standard Ge	Ge 2 mm (FOT-22A)
Detector high power GeX	GeX 2 mm (FOT-22AX)
Calibrated wavelengths	780; 850; 1300; 1310; 1550 nm
Measurement range Ge	6 to -60 dBm
Measurement range GeX	21 to -50 dBm
Resolution	0.05 dB
Uncertainty	±5% (NIST-traceable; at -35 dBm class)
Tone detection	2 kHz
Display units	dB; dBm; W
Size	22.2 cm x 10.3 cm x 5.9 cm
Weight unit	0.56 kg
Weight shipping	1.8 kg
Operating temperature	-10 C to 40 C
Battery	9 V alkaline
Battery life	over 14 hours
Auto off	yes
Offset nulling	electrical
Fiber compatibility	singlemode and multimode
Drop test	meets Telcordia drop-test requirements class
Included accessories class	user guide; carrying case; 9 V battery; AC adapter; connector adapter; holster; shoulder strap; Certificate of Calibration
Connector adapter example	FOA-22 FC

PARAMETER	VALUE
Ordering example high power	FOT-22AX-FOA-22
Uncertainty condition note	resolution and uncertainty functions of power; stated at -35 dBm
Range measurement note	measured at 1300 nm
Discontinued era	mid-2000s handheld generation Notes Specs from EXFO FOT-10A/FOT-20A handheld power meter datasheet. Confirm Ge vs GeX detector (FOT-22A vs FOT-22AX) and FOA adapter code on the unit.
FOT-20A family	power in dB, dBm, and W

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 C to 40 C
Operating Temperature	10 C to 40 C
Battery	9 V alkaline
Battery life	over 14 hours
Auto off	yes
Offset nulling	electrical
Fiber compatibility	singlemode and multimode
Drop test	meets Telcordia drop-test requirements class
Included accessories class	user guide; carrying case; 9 V battery; AC adapter; connector adapter; holster; shoulder strap; Certificate of Calibration
Connector adapter example	FOA-22 FC
Ordering example high power	FOT-22AX-FOA-22
Uncertainty condition note	resolution and uncertainty functions of power; stated at -35 dBm
Range measurement note	measured at 1300 nm
Discontinued era	mid-2000s handheld generation Notes Specs from EXFO FOT-10A/FOT-20A handheld power meter datasheet. Confirm Ge vs GeX detector (FOT-22A vs FOT-22AX) and FOA adapter code on the unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Model	FOT-20A / FOT-22AX
Manufacturer	EXFO
Instrument Type	Handheld Optical Power Meter
Alias	FOT-22A; FOT-22AX; FOT-20A series
Detector standard Ge	Ge 2 mm (FOT-22A)
Detector high power GeX	GeX 2 mm (FOT-22AX)
Calibrated wavelengths	780; 850; 1300; 1310; 1550 nm
Measurement range Ge	6 to -60 dBm
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Drop test	meets Telcordia drop-test requirements class
Included accessories class	user guide; carrying case; 9 V battery; AC adapter; connector adapter; holster; shoulder strap; Certificate of Calibration
Connector adapter example	FOA-22 FC

Ordering example high power: F0T-22AX-F0A-22

Specifications

PARAMETER	VALUE
Uncertainty condition note	resolution and uncertainty functions of power; stated at -35 dBm
Range measurement note	measured at 1300 nm
Discontinued era	mid-2000s handheld generation

Notes
Specs from EXFO F0T-10A/F0T-20A handheld power meter datasheet. Confirm Ge vs GeX detector (F0T-22A vs F0T-22AX) and F0A adapter code on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.